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5 September 1972

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Attention: Mr. Edward W. Crump, Code 430

Subject: Monthly Progress Report for Period Ending 1 September 1972

Contract: ERTS Image Data Compression Technique Evaluation

Principal Investigator: Dr. Donald J. Spencer, GSFC ID PR512

During August the reformatted MSS simulation tape was used to validate the compatibility of the TRW data compression computer program with these tapes. While the program is fully compatible with the simulation tape, a problem has been encountered with the computer time required for processing a "full" scene. Due to the large number of different statistical measurements taken and the various compression algorithms applied to the data, about thirty minutes of CPU time is required for a full scene. A task is now underway attempting to decrease the time required. The time required for processing a "subscene" is under sixty seconds and presents no problems.

On 1 September 1972, the first 70 mm images were received and work will begin on the object classification task. The precision simulation tape has not arrived for reformatting and validation.

(E72-10067) ERTS IMAGE DATA COMPRESSION
TECHNIQUE EVALUATION Monthly Progress
Report, period ending 1 Sep. 1972 D.J.
Spencer, et al (TRW Systems Group) 5 Sep.
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